

**Division Of Environmental Health
Solid Waste Program
410 Willoughby Avenue, Suite 303
Juneau, Alaska 99801-1795
<http://www.state.ak.us/dec/home.htm>**

**Telephone: (907) 465-5162
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January 12, 2001

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Paul Berry, Landfill Manager
Gustavus Community Association
POB 62
Gustavus, Alaska 99826-0143

RE: Solid Waste Permit # 0011-BA005

Dear Mr. Berry:

The Department of Environmental conservation has completed its evaluation of your permit renewal application dated November 13, 2000 for a class III municipal waste disposal at Gustavus, Alaska. The Department is issuing this permit in accordance with AS 46, 18 AAC 14, and 18 AAC 60. Please review the conditions and stipulations in the permit and ensure they are all understood. This permit is effective upon issuance and expires August 31, 2005.

Any person who disagrees with this decision may appeal by requesting an adjudicatory hearing, using the procedures contained in 18 AAC 15.200-310. Hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Juneau, Alaska 99801-1795, within 30 days of receipt of this letter. If a hearing is not requested within 30 days, the right to appeal is waived. Even if an adjudicatory hearing has been requested and granted, all permit conditions remain in full force and effect.

Sincerely,

Heather T. Stockard
Solid Waste Program Manager

HTS/GM/th (g:\es\sw\permits\0011-BA005)

Enclosure: *Permit #0011-BA005

cc: Ron Schonenbach, Alaska Department of Natural Resources, Juneau

STATE OF ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL HEALTH
410 WILLOUGHBY AVENUE, SUITE 105
JUNEAU, ALASKA 99801

CLASS III MUNICIPAL
SOLID WASTE DISPOSAL PERMIT

GUSTAVUS COMMUNITY ASSOCIATION SOLID WASTE DISPOSAL FACILITY
GUSTAVUS, ALASKA

	Page 1 of 11
PERMIT #0011-BA005	DATE ISSUED: January 12, 2001

This permit is issued to the Gustavus Community Association, Gustavus, Alaska for the management and operation of a Class III municipal solid waste disposal facility. It authorizes operation of a baler and the disposal of an annual average of 25 cubic yards of domestic and commercial refuse per month at the communities 3 acre site. A baler/recycle facility will be located within the landfill boundary. The Gustavus Community Association plans to separate out scrap metal, aluminum and potentially hazardous wastes as much as practicable at the baler/recycle facility prior to disposal into the landfill. Burning of clean wood and paper is allowed in the spring and fall at a separate burn area adjacent to the balefill. The anticipated closure date is the year 2015. However, the State of Alaska lease for this facility will expire on August 31, 2005. The lease will need to be renewed at that time.

The landfill is located at Gustavus, Alaska, approximately approximately 100 yards directly east of the Gustavus small boat harbor at 2 Boat Harbor Road, T.40S., R.59E., Sec. 18, CRM. Operation of this facility is subject to the design and plans submitted in the application dated November 17, 1993, January 9, 1994 and November 13, 2000, the conditions contained in the permit, and the solid waste regulations. Modifications may be requested by the permittee but must be authorized in writing by a permit amendment.

This permit is subject to the conditions and stipulations contained in the following Appendices:

Regulation, Permit and Application Compliance	Page 3
Appendix A: Operation of Facility	Page 3
Appendix B: Monitoring of Landfill Monitoring Wells	Page 7
Appendix C: Monitoring, Records, and Reporting	Page 8
Appendix D: General Permit Conditions	Page 9

This permit is issued under provisions of Alaska Statutes 46.03, the Alaska Administrative Code, Title 18, Chapters 15 and 60, as amended or revised, and other applicable State laws and regulations.

Disposal of waste specified in section IV of this permit is prohibited and is considered a violation of Alaska Administrative Code. Other types of waste disposal may be requested by the permittee, but must be authorized by approval, permit modification or a permit amendment.

Groundwater monitoring is not normally required for a class III landfill unless there is credible evidence that the water quality standards have been violated in a surface water body or an aquifer, or conditions at the landfill are likely to result in harm to public health or the environment. Groundwater monitoring thus far indicates water quality is within normal limits. The landfill is in close proximity to drinking water wells that are located upgradient of the landfill. Groundwater is somewhat tidally influenced. It is in the best interest to know the condition of the groundwater at the landfill boundary in order to show protection of both upgradient drinking water and downgradient aquatic resources in the Salmon River. Therefore, groundwater monitoring is required for the wells that may be affected.

This permit is effective upon issuance and expires August 31, 2005, at which time this permit must be renewed or the facility closed. Renewal of the permit will be contingent upon the acquisition of a new lease from the State Department of Natural Resources. An application for renewal must be received at least 30 days before this permit expires. The Department may terminate or modify this permit in accordance with AS 46.03.120.

Heather T. Stockard
Solid Waste Program Manager

REGULATION, PERMIT AND APPLICATION COMPLIANCE

- I. This permit is based on the application dated November 17, 1993, January 9, 1994 and November 13, 2000 for the operation of the existing landfill and baler facility. The permittee must comply with the applicable parts of the Alaska solid waste management regulations 18 AAC 60, and the designs and plans in the permit application unless otherwise specified in this permit. Additional modifications may be requested but must be authorized by the Solid Waste Program Manager before that modification is effective.
- II. Upon any change in land ownership, the permittee shall submit a copy of the deed or another legal document that identifies the landowner and
 - A. a copy of any lease agreement that is clearly relevant to the waste disposal activity, or
 - B. a written statement signed by the landowner, showing that the landowner consents to the proposed activity.

PERMIT CONDITIONS

The permittee shall dispose of solid waste in accordance with the stipulations listed below:

APPENDIX A: OPERATION OF FACILITY

1. PROHIBITIONS
 - A. The disposal of hazardous waste, as defined by 40 CFR Part 261, is not permitted in this landfill under federal law. Waste meeting this definition must be disposed of in accordance with 40 CFR Part 262, Standards Applicable to Generators of Hazardous Waste.
 - B. The permittee shall prohibit the disposal of saturated oily waste, liquid petroleum products, bulk liquids, commercial fish processing waste, radioactive material, friable asbestos waste, liquid solvents, strong acids or bases, explosives, polychlorinated biphenyls, sewage sludge, septage and any hazardous waste defined and regulated under 40 CFR 261 at the landfill facility.
 - C. The permittee shall require that all containers for disposal which exceed 5 gallons in size are open and empty of fluids prior to acceptance at the facility to ensure that no oil or

hazardous waste liquids are deposited in the landfill.

- D. The permittee shall not expand the part of the facility that is circumscribed by the chain link fence as it appeared in August 1994 any farther to the east or south. If expansion is needed, the facility shall expand to the west. If bales are placed at the facility, a back-wall berm shall be provided along all southern and eastern aspects of the facility where bales are placed.

2. SALVAGING AND STORAGE OF WASTE OR RECYCLABLES

- A. All scrap metal, junked vehicles, equipment and other materials stored at the site before shipment to recycling markets shall be prevented from leaking pollutants, such as antifreeze, petroleum products, and battery acids, into the ground. In addition, all equipment shall be drained of all antifreeze and petroleum products before disposal at the site. All drums or barrels shall be crushed before landfilling.
- B. The permittee shall ensure that any waste stored prior to burial shall be:
 - 1. stored in a safe and sanitary way that prevents a litter violation under AS 46.06.080, and,
 - 2. stored in a manner that prevents the attraction or access of wildlife or disease vectors to waste.

3. FENCES, GATES AND SIGNS

- A. The permittee shall maintain a readable sign at the entrance to the landfill which includes the following information:
 - 1. the name of the permittee,
 - 2. notify users that domestic and commercial recyclable waste must be taken to the baler facility or incinerator or the appropriate area for processing,
 - 3. user information such as operating hours, restrictions and any special disposal instructions,
 - 4. indicate that some waste types are prohibited from disposal at the facility, such as hazardous waste, and list some of the more common prohibited wastes for the Gustavus area such as oil, liquid septage, commercial fish processing waste, explosives, petroleum solvents, friable asbestos waste, etc, and,
 - 5. signs are posted at appropriate areas of the facility in order to direct the public on the proper disposal of waste.
- C. The permittee shall ensure that:

1. the public is prohibited from access to the disposal areas except during the hours of operation,
2. a gate with a lock is maintained at all entrances to the disposal areas when an attendant is not present, and,
3. access roads and on-site roads are kept passable by the operator.

4. ITEMS SPECIFIC TO SOLID WASTE BALING

A. The permittee shall:

1. ensure that bales are disposed at least 2 feet above higher high water and water table; and, in a way which prevents water contact and decomposition of the bales,
2. ensure that bales are not deposited into a water saturated area,
3. limit the active portion to one working face and keep the exposed area as small as practical to reduce litter, odor, and to minimize to amount of water contact with the waste, and,
4. prevent animals from contacting the disposed waste.

B. Deposited baled waste shall not be allowed to deteriorate because of the following conditions:

1. surface run-on water contact with baled refuse, and,
2. rain water or snow melt contact with the baled refuse.

C. The permittee shall ensure that a final cover is established:

1. to areas that will not receive more waste within the year, and,
2. to areas that have been filled to the final design elevation.

5. ITEMS SPECIFIC TO AIR QUALITY

A. The permittee is allowed to burn clean, dry wood and paper semi-annually, once at spring clean-up and once in the fall of each year. The burn shall not produce black smoke and shall be monitored through out the period of the burn for maximum combustion efficiency. A burn shall be conducted only during a time when smoke will not affect nearby residences or otherwise cause a nuisance.

B. Fugitive ash dust emissions shall be prevented at the facility.

- C. The permittee shall ensure all animal carcasses, pathological, or infections waste are incinerated prior to acceptance at the facility.
- D. The burn shall be located no less than 50 feet from any area where waste has been buried and no less than 50 feet from the permitted facility boundary within the facility.

6. INERT WASTE PIT

- A. The waste disposal point and working face shall be made as small as practical. The area of the working face inside the pit shall not exceed 100 square feet.
- B. Waste shall be consolidated and compacted at only one working face. Inert waste shall be disposed at least 2 feet above higher high water table. Cover will be applied as needed to prevent odor, blowing litter, fugitive ash dust, and vector attraction.
- C. The permittee shall ensure that an intermediate cover of at least 12 inches of graded and compacted dirt or rock is applied to all areas of the inert waste pit where waste has been buried; and, where the area will not be used for disposal within 90 days after the last waste deposition.
- D. The permittee shall ensure that final cover is established within 90 days after the last waste deposition:
 - 1. to areas that will not receive more waste within the year, and,
 - 2. to areas that have been filled to the final design elevation.
- D. Final cover shall be at least 24 inches of compacted soil material, graded and maintained to prevent ponding and erosion and to minimize the amount of water passing through the cover material.

7. RUN-ON, RUN-OFF, AND LEACHATE CONTROL

- A. The permittee shall grade and compact all areas within the facility boundary to minimize percolation of water through previously disposed waste.

8. SEPARATION DISTANCES

- A. The permittee shall dispose only within the existing fenced area as of August 1994.
- B. The permittee shall maintain a minimum horizontal separation distance of 50 feet between the designated portion of any storage or waste disposal area and the facility

boundary.

9. SEWAGE SLUDGE AND COMPOST

A. The permittee shall ensure that composted materials are handled:

1. to prevent water quality violations, and,
2. to prevent an odor nuisance.

10. WATER QUALITY MONITORING

A. The permittee shall provide and maintain a series of water quality monitoring stations as presented January 9, 1994 in the permit application.

B. Sampling and monitoring shall be conducted as required by Appendices B and C of this permit.

11. MISCELLANEOUS

A. Should cultural or paleontological resources be discovered as a result of this activity, we request that the work which would disturb such resources be stopped, and that the Office of History and Archaeology, Division of Parks and Outdoor Recreation, Department of Natural Resources, be notified immediately (762-2622).

APPENDIX B: MONITORING OF LANDFILL MONITORING WELLS

1. The permittee shall biannually monitor the existing established monitoring wells designated as Station #3 and Station #4 and biannually monitor the existing established monitoring wells designated as Station #1 and Station #6 on an alternating basis according to the January 9, 1994 monitoring report conducted by the Gustavus Community Association which was submitted with the application for modification. Monitoring shall occur at the peak of a higher-high tide event during the time of the year when precipitation is high in order to get a representative sample of the highest upgradient flow at Station #3 and Station #4. Monitoring at Station #1 and Station #6 shall occur at the peak of the lower-low tide event during the time of the year when precipitation is the lowest. The distance to groundwater shall be measured in each well when samples are taken.
2. The results of analyses in the wells specified in Appendix B(1) above shall be submitted to the department upon receipt of analysis. These results shall include values for specific conductance, temperature, chemical oxygen demand, pH, hardness, total organic halogens, arsenic, barium,

cadmium, manganese, lead, copper, chromium, mercury, selenium, zinc, and nickel using approved EPA methods as specified in Appendix C, part (5a) of this permit. Upon request by the permittee, the department will review the results of the tests and determine if the sampling frequency may be reduced. The department may increase the testing frequency with any significant change in the design or operation of the landfill.

3. All groundwater monitoring shall be conducted in accordance with the QA/QC procedures submitted in the January 9, 1994 permit application material.

APPENDIX C: MONITORING, RECORDS, AND REPORTING

1. Visual Monitoring. The permittee shall ensure that at least one person who is familiar with the requirements of this permit and with the applicable requirements of the state solid waste management regulations (18 AAC 60), conducts a visual inspection of the facility at least once per month. Any violations found during those inspections shall be reported to the permittee and to the Department, and appropriate corrective action taken.
2. If any structural change in or damage to a facility or any violation of a permit condition is observed as the result of the visual monitoring program or an inspection by the department, the permittee shall notify the Department within 30 days; and, take appropriate corrective action to correct the violation or damage, prevent the escape of waste or leachate, and clean up any improper waste disposal.
3. If monitoring reveals a change in water quality the permittee shall:
 - A. determine the extent of contamination,
 - B. determine if migration of waste or leachate from the facility is the cause of the change in water quality,
 - C. estimate the potential for a violation of the water quality standards described in 18 AAC 60.035(3) at the facility boundary, or 50 feet from the designated portion of the facility, whichever distance is less,
 - D. estimate the potential for a violation of the water quality standards described in 18 AAC 60.035(4),
 - E. take corrective actions to prevent a violation of the water quality standards, and
 - F. notify the department within seven days after detecting a violation of the applicable water quality standards.
4. Monitoring Records. The permittee shall maintain a record of all visual, chemical and physical monitoring inspections and any corrective actions taken, and make those records available to the department upon request.

5. Test procedures for analysis of water samples and leachate samples shall conform to methods cited in 18 AAC 70.020(c), or as such regulations may be amended.

A. The following test methods shall be used for landfill water analysis.

1. EPA Method #200.7 or 200.9 may be used for the following metals: Barium, Arsenic, Cadmium, Chromium, Copper, Lead, Manganese, Nickel, Selenium, and Zinc.
2. EPA Method #245.1 or #245.2 shall be used for Mercury.
3. EPA Method #130.2 shall be used for Hardness.
4. EPA Method #410.2 shall be used for Chemical Oxygen Demand.
5. EPA Method SW #9020 shall be used for Total Organic Halogen.

The permittee may substitute alternative methods of monitoring or analyses only upon receipt of prior written approval from the department.

- B. The permittee shall submit the results of analysis 1) with a site map showing monitoring well locations, 2) measurement of the depth from the surface to standing water and depth to the bottom of the well of water in monitoring wells, 3) as much as practicable, the average monthly precipitation for the area, 4) physical/visual description of the sample taken, and, 5) date and time samples were taken.
6. Records Retention. All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed, calibration and maintenance of instruments, and recordings from continuous monitoring instrumentation, shall be retained in Alaska for observation by the department for three years after expiration of the permit. Upon request from the department, the permittee shall submit certified copies of such records.

APPENDIX D: GENERAL PERMIT CONDITIONS

1. ACCESS AND INSPECTION

The permittee shall allow the Commissioner or his/her representative access to the permitted facilities at reasonable times to conduct scheduled or unscheduled inspections or tests to determine compliance with this permit, State laws, and regulations.

2. INFORMATION ACCESS

Except for information relating to trade secrets, submitted under a claim of confidentiality, and for

which the Department has determined in writing that protection from disclosure is appropriate, all records and reports submitted in accordance with the terms of this permit shall be available for public inspection at the State of Alaska Department of Environmental Conservation, Fairbanks Office, 610 University Avenue, Fairbanks, Alaska 99709-3643.

3. CIVIL AND CRIMINAL LIABILITY

Nothing in this permit shall relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond his control, including, but not limited to, accidents, equipment breakdowns, or labor disputes.

4. AVAILABILITY

The permittee shall post or maintain a copy of this permit available to the public at the disposal facility.

5. ADVERSE IMPACT

The permittee shall take all necessary means to minimize any adverse impacts to the receiving waters or lands resulting from noncompliance with any limitation specified in this permit, including any additional monitoring needed to determine the nature and impact of the noncomplying activity. The permittee shall cleanup and restore all areas adversely impacted by the noncompliance.

6. CULTURAL OR PALEONTOLOGICAL RESOURCES

Should cultural or paleontological resources be discovered as a result of this activity, work which would disturb such resources is to be stopped, and the State Historic Preservation Office, Division of Parks and Outdoor Recreation, Department of Natural Resources, is to be notified immediately (907-269-8721).

7. APPLICATIONS FOR RENEWAL

Applications for renewal or amendment of this permit must be made no later than 30 days before the expiration date of the permit or the planned effective date of the amendment.

8. OTHER LEGAL OBLIGATIONS

The requirements, duties, and obligations set forth in this permit are in addition to any requirements, duties, or obligations contained in any permit that the Alaska Department of Environmental Conservation or the U.S. Environmental Protection Agency has issued or may

issue to the permittee. This permit does not relieve the permittee from the duty to obtain any and all necessary permits and to comply with the requirements contained in any such permit or with applicable state and federal laws and regulations. All activities conducted by the permittee pursuant to the terms of this permit and all plans implemented by the permittee pursuant to the terms of this permit shall comply with all applicable state and federal laws and regulations.

9. POLLUTION PREVENTION

In order to prevent and minimize present and future pollution, when making management decisions that affect waste generation, the permittee shall consider the following order of priority options: waste source reduction; recycling of waste; waste treatment; and waste disposal.